OIPE JC177
MAR 2 5 2004
PATENT & TRADEMARK OFFICE

Patent
Attorney Docket No. 030681-583

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of
Kim, Hyun-woo et. al.
Application No.: 10/685,002
Filing Date: October 15, 2003
Group Art Unit: Unassigned
Examiner: Unassigned
Confirmation No.: Unassigned
Title: Method and Apparatus for Extracting Feature Vector Used for Face Recognition and Retrieval

FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a **FIRST** Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of $180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of $180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By _____
Charles E. Wieland III
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P.O. Box 1404
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Date: March 25, 2004

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FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date March 25, 2004

By: _____
Charles F. Wieland III
Registration No. 33,096

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Substitute for form 1449A/PTO & 1449B/PTO	Complete if Known	
FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	**Application Number**	10/685,002
	Filing Date	October 15, 2003
	First Named Inventor	Hyun-wo KIM et al.
	Examiner Name	Unassigned
Sheet 1 of 1	**Attorney Docket Number**	030681-583

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MAR 25 2004
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U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes	Translation No

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	BABACK MOGHADDAM ET AL., "Face Recognition using View-based and Modular Eigenspaces", 1994, pgs. 1 -7, M.I.T. Media Laboratory Perceptual Computing Section Technical Report No. 301, Automatic Systems for the Identification and Inspection of Humans, SPIE 1994, Vol. 2277, USA
	TAE-KYUN KIM ET AL., "Component-Based LDA Face Descriptor for Image Retrieval", 2002, British Machine Vision Conference
	TOSHIO KAMEI ET AL., "Report of the Core Experiments on Fourier Spectral PCLDA Based Face Descriptor", ISO/IEC JTC1/SC29/WG11,2002, MPEG2002/M8559, Klagenfurt, Austria
	B.S. MANJUNATH ET AL., "Face Descriptor", Introduction to MPEG-7: Multimedia Content Description Interface, 2002, PGS. 181 – 185, John Wiley & Sons, West Sussex, England
	HAGEN SPIES ET AL., "Face Recognition in Fourier Space", Proc. Of Vision Interface, 2000, pgs. 38-44, Montreal, Canada
	J. HUANG ET AL., "Combining Local and Global Features for Face Recognition", Proc Asian Conf. on Computer Vision, 2002, pgs. 568-573, Melbourne, Australia
	JIAN HUANG LAI ET AL., "Face Recognition Using Holistic Fourier Invariant Features", 2001, pgs. 95-109, Pattern recognition, Pergamon Press Inc. Elmsford, New York
	TAE-KYUN KIM ET AL., "Component-Based LDA Face Descriptor for Image Retrieval", 2002, pgs. 507-516, Proc. British Machine Vision Conference,

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.